

Work Order ID 151826

Tuesday, October 11, 2016 8:26:36 AM

151826**PRELIMINARY ISSUE**
DAS 9-89

Page 1

Item ID: D5373-3

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Oil Drain Line

Stop

NS2

Start Date: 10/12/2016 Start Qty: 10.00

10

Cust Item ID:

Required Date: 10/26/2016 Req'd Qty: 10.00

10

Customer:

Reference:

Approvals:

Process Plan:

DAS
21
9-89

Date:

Date: OCT 11 2016

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D5373

100

100

Purchasing

Purchasing

Memo

Issue P/O: 33947

Purchase Part Number: I01005-400-0080

Supplier: STRATOFLEX

Certificate of conformity is required

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

0.00

NOV 09 2016

DAS
26
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
OTHER : _____									

Work Order ID 151826

Tuesday, October 11, 2016 8:26:36 AM

151826

Page 2

Item ID: D5373-3

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Oil Drain Line

Start Date: 10/12/2016 Start Qty: 10.00

10

Cust Item ID:

Required Date: 10/26/2016 Req'd Qty: 10.00

10

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

0.00

Quality Control

10

φ

DAS
38
NOV 0 0 2016

121

0.00

121

HAAS 5AXIS

Memo

0.00

HAAS CNC vertical machine #5

ONLY IF USIN 101005-4CL

1- Drill lock wire hole per folio FB505

DWG REV: PB2FOLIO REV: AA

2- Deburr

D.A. 16-11-10

10

φ

DAS
08
9-89

122

QC2- Inspect parts off machine FAI/FAIB

0.00

122

QC

Memo

0.00

Quality Control

D.A. 16-11-10

10

φ

DAS
08
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Work Order ID 151826

Tuesday, October 11, 2016 8:26:36 AM

151826

Page 3

Item ID: D5373-3

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Oil Drain Line

Start Date: 10/12/2016 Start Qty: 10.00

10

Cust Item ID:

Required Date: 10/26/2016 Req'd Qty: 10.00

10

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

123

QC8- Inspect parts - second check

0.00

123

QC

Memo

0.00

Quality Control

10

Ø

DAS
49

9-89

10/11/16

130

0.00

130

Small Fab

Memo

0.00

Small Fab

INSTALL LABEL D2729 AS PER DWG NOTES

10

FF

NOV 16 2016

140

QC5- Inspect part completeness to step on W/O

0.00

140

QC

Memo

0.00

Quality Control

10

DAS
38
9-89

NOV 17 2016

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____			
Description Work Order Deviation				Disposition							
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐									
		OTHER : _____									

Work Order ID 151826

Tuesday, October 11, 2016 8:26:36 AM

151826

Page 4

Item ID: D5373-3

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Oil Drain Line

Start Date: 10/12/2016 Start Qty: 10.00

10

Cust Item ID:

Required Date: 10/26/2016 Req'd Qty: 10.00

10

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

150

Identify as per dwg & Stock Location: *276714*

0.00

150

Packaging

Memo

*-2 sold
on 50123588*

0.00

Packaging

87222
**DAS
26
9-89***10x.*
NOV 25 2016**POSITIVE RECALL**EFFECTIVE *6-8*AUTH *1610d14*RELEASED *9*DATE *16-11-24**PowB 9-89***DAS
21
9-89**

NOV 25 2016

160

QC21- Final Inspection - Work Order Release

0.00

160

QC

Memo

0.00

Quality Control

6-11-22

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Set-up ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER :							

Picklist Print

Friday, October 14, 2016 1:11:42 PM

Page 1

Work Order ID: 151826

151826

Parent Item: D5373-3

D5373-3

Parent Item Name: Oil Drain Line

Start Date: 10/12/2016

Required Date: 10/26/2016

Start Qty: 10.00

Required Qty: 10.00

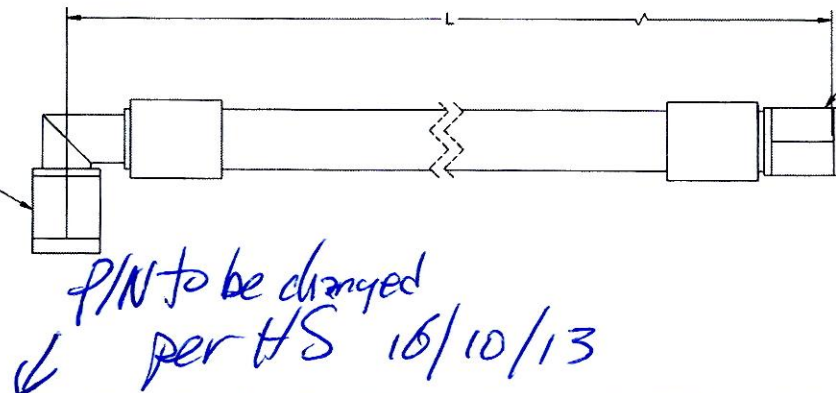
Comments: IPP REV:A 16.01.21 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
101005-4CR-0080 *101005-4CR-0080* Oil Drain Line		Purchased	No				Each	0.0000	**	10 <i>10X</i>		NOV 09 2016	<i>DAS 26 9-89</i>
D2182-045 *D2182-045* Heat Shrink 4.5" Long		Manufactured	No		<i>B112922</i>		Each	0.0000	**	10 <i>10 FF</i>		NOV 16 2016	
D2729-4 *D2729-4* Red Decal		Manufactured	Yes				Each	0.0000	**	10 <i>10 FF</i>		NOV 16 2016	

SPECIFICATION CONTROL DRAWING

90° ELBOW FLARED FITTING
P/N: 413517-4-4CL

STRAIGHT FLARED FITTING
P/N: 413524-4-4CL



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 151826 MJS
1010-11

DART PART NUMBER	DESCRIPTION	MANUFACTURER	MANUFACTURER PART NUMBER	LENGTH "L" (INCHES)	MAX O.D. (INCHES)	MIN I.D. (INCHES)	WEIGHT (LBS)	SPECIFICATION	CONSTRUCTION TYPE	CONSTRUCTION REINFORCEMENT	COVER
D5373-1	OIL DRAIN LINE	STRATOFLEX	101005-4CL-0180	18	0.500	0.173	0.26	AS4897 AND AS150 TYPE 1AB	SEAMLESS, EXTRUDED, CONDUCTIVE POLYTETRAFLUOROETHYLENE	CORROSION-RESISTANT STEEL WIRE BRAID	INTEGRAL SILICONE
D5373-3	OIL DRAIN LINE	STRATOFLEX	101005-4CL-0080	8	0.500	0.173	0.17	AS4897 AND AS150 TYPE 1AB	SEAMLESS, EXTRUDED, CONDUCTIVE POLYTETRAFLUOROETHYLENE	CORROSION-RESISTANT STEEL WIRE BRAID	INTEGRAL SILICONE

D5373-X - OIL DRAIN LINE

NOTES:

- 1) MATERIAL: PER TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N & B/N USING D2729 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 7) WEIGHT: SEE TABLE

RELEASED
2016-10-05
ECW 16-088

APPROVED

REV.	DESCRIPTION	CC	DATE
A	NEW ISSUE	CC	18.01.07
DESIGN	CC		
DRAWN	CC		
CHECKED	AK		
MFG. APPR.	JLM		
APPROVED	HS		
DE APPR.	DS		
DATE	16.01.07		

DART AEROSPACE USA, INC
EUGENE, OREGON, USA

DRAWING NO.

D5373

TITLE
OIL DRAIN LINE

REV. A

SHEET 1 OF 1

SCALE

NTS

COPYRIGHT © 2016 BY DART AEROSPACE USA, INC
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS
NOT TO BE LOANED OR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause			FAULT CATEGORY		
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐				



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO33947

Purchase Order Date 10/14/2016

PO Print Date 10/14/2016

Page Number 1 of 2

Order From :

AVIALL
PO BOX 842275

DALLAS, TX 75284-2275
USA

VU-AVI003

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

OCT 14 2016

E-MAILED

Contact Name

Vendor Phone 905-676-1695

Ship To Contact

Ship To Phone

Ship Via: FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency USD

FOB EXW - (Ex Works)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						
1	101005-4CR-0080	Oil Drain Line	10/20/2016 Yes 10/20/2016	FN	10.00 Each	\$105.08	\$1,050.80
	AS PER DWG D5373 REV. A PRELIM B151826	DAS 38 9-89		DAS 26 9-89	NOV 09 2016		
Line Total:							\$1,050.80
2	101005-4CR-0180	Oil Drain Line	10/20/2016 Yes 10/20/2016	FN	10.00 Each	\$120.14	\$1,201.40
	AS PER DWG D5373 REV. A PRELIM B151825						
Line Total:							\$1,201.40

PO Instructions: Fedex Acc#151793240

Note:

10/14/2016



Hose Shop 2755 Regent Blvd. DFW Airport 75261
Phone 972-586-1380 Fax 972-586-1381 www.aviall.com

TSO CERTIFICATION

It is hereby certified that (A) The parts and/or materials reflected herein were produced under Federal Aviation Administration approved manufacturing and quality control system/methods as set forth in the FAA issued technical standard order authorizations (TSOA) issued to Stratoflex and (B) such part and/or materials are new and are in condition for safe operation.

Customer Order Number: 1002555361

1.	101005-4CR0080	10 ea.
2.	101005-4CR0180	10 ea.

DAS
38
9-89

Signed: 

Date: 11-04-2016

"Aviall is not providing OEM parts. Aviall is an authorized Stratoflex distributor providing TSO assemblies. Numbers referenced per customer requirements are for customer reference ONLY and are in no way intended to be represented as OEM parts. Any reference to an OEM part number does not authorize or reflect installation authority for this part. The installation authority is provided by the mechanic installing this product in accordance with FAR Part 43".

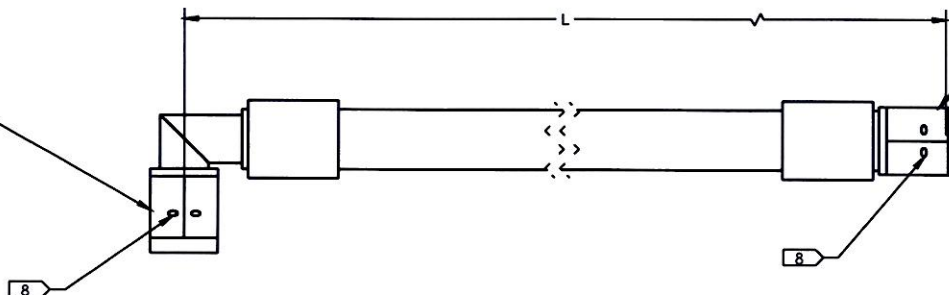
If applicable, satisfactory compliance with the conditions and tests required for TSO approval indicates the hose assembly has met the minimum performance standards as stated in the TSO. Furthermore, it is the responsibility of the installer to determine the installation eligibility and that it will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved.

FORM# CERT -001

SPECIFICATION CONTROL DRAWING

90° ELBOW FLARED FITTING
P/N: 413517-4-4CL

STRAIGHT FLARED FITTING
P/N: 413524-4-4CL



DART PART NUMBER	DESCRIPTION	MANUFACTURER	MANUFACTURER PART NUMBER	LENGTH "L" (INCHES)	MAX O.D. (INCHES)	MIN I.D. (INCHES)	WEIGHT (LBS)	SPECIFICATION	CONSTRUCTION TYPE	CONSTRUCTION REINFORCEMENT	COVER
D5373-1	OIL DRAIN LINE	STRATOFLEX	101005-4CL-0180	18	0.500	0.173	0.26	AS4897 AND AS150 TYPE 1AB	SEAMLESS, EXTRUDED, CONDUCTIVE POLYTETRAFLUOROETHYLENE	CORROSION-RESISTANT STEEL WIRE BRAID	INTEGRAL SILICONE
D5373-3	OIL DRAIN LINE	STRATOFLEX	101005-4CL-0080	8	0.500	0.173	0.17	AS4897 AND AS150 TYPE 1AB	SEAMLESS, EXTRUDED, CONDUCTIVE POLYTETRAFLUOROETHYLENE	CORROSION-RESISTANT STEEL WIRE BRAID	INTEGRAL SILICONE

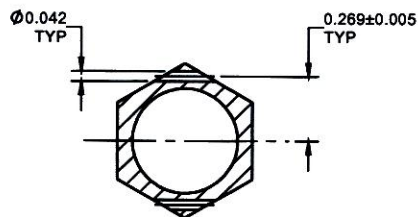
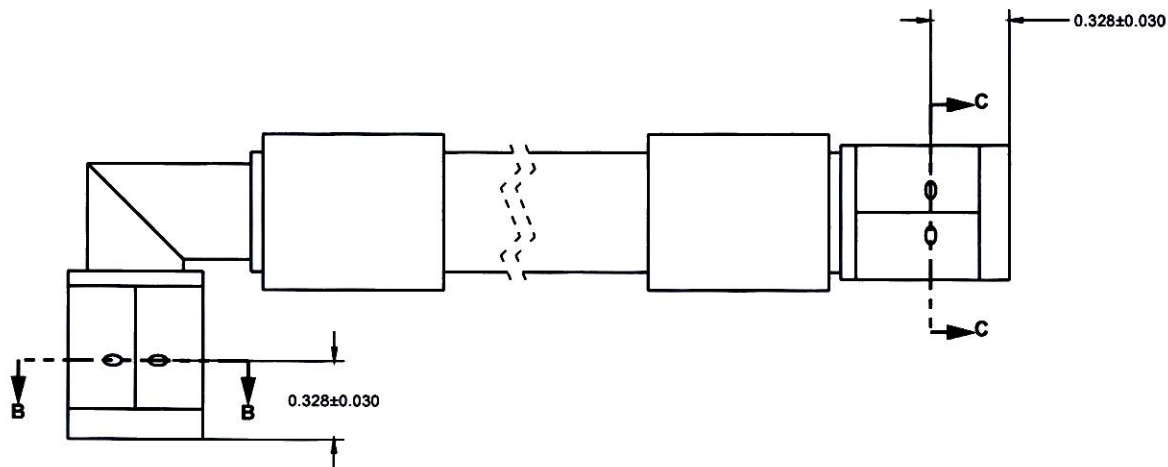
D5373-X - OIL DRAIN LINE

NOTES:

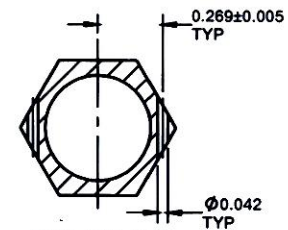
- 1) MATERIAL: PER TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N & B/N USING D2729 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 7) WEIGHT: SEE TABLE
- 8) DRILL LOCK-WIRE HOLES PER SHEET 2, DETAIL A B

UNAPPROVED

B	ADDED NOTE 8 AND SHEET 2	CC	16.11.07
A	NEW ISSUE	CC	16.01.07
REV.	DESCRIPTION	BY	DATE
DESIGN	CC	DART AEROSPACE USA, INC EUGENE, OREGON, USA	
DRAWN	CC		
CHECKED	RF	DRAWING NO.	REV. B2
MFG. APPR.	JLM	D5373	SHEET 1 OF 2
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	OIL DRAIN LINE	NTS
DATE	16.11.07	COPYRIGHT © 2010 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	



SECTION B-B



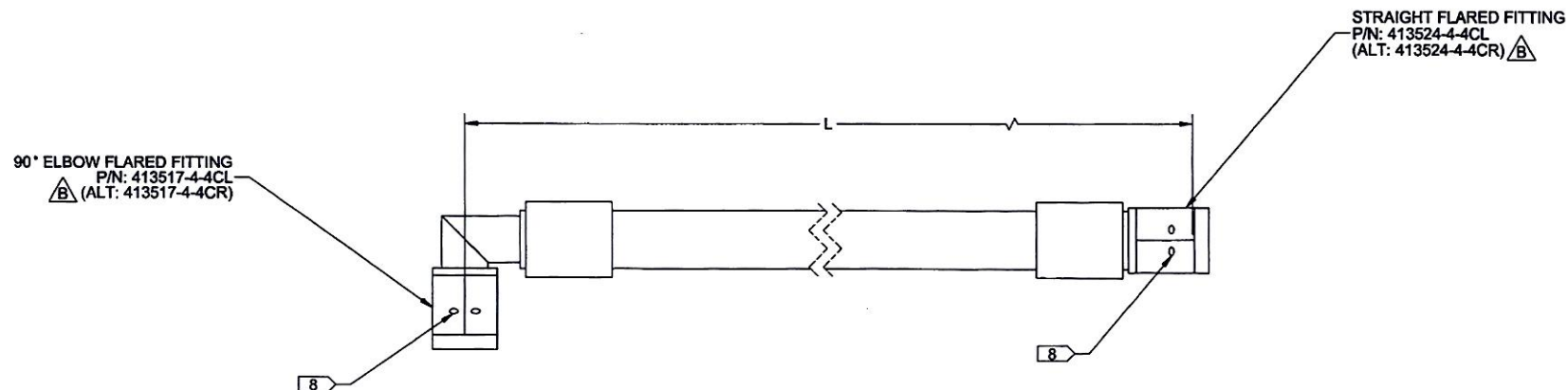
SECTION C-C

DETAIL A - LOCKWIRE HOLES

UNAPPROVED

DESIGN	CC	DART AEROSPACE USA, INC.	
DRAWN	CC	EUGENE, OR, USA	
CHECKED	RF	DRAWING NO.	REV. B2
MFG. APPR.	JLM	D5373	SHEET 2 OF 2
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	OIL DRAIN LINE	NTS
DATE	16.11.07	COPYRIGHT © 2010 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

SPECIFICATION CONTROL DRAWING



DART PART NUMBER	DESCRIPTION	MANUFACTURER	MANUFACTURER PART NUMBER	LENGTH "L" (INCHES)	MAX O.D. (INCHES)	MIN I.D. (INCHES)	WEIGHT (LBS)	SPECIFICATION	CONSTRUCTION TYPE	CONSTRUCTION REINFORCEMENT	COVER
D5373-1	OIL DRAIN LINE	STRATOFLEX	101005-4CL-0180	18	0.500	0.173	0.26	AS4897 AND AS150 TYPE 1AB	SEAMLESS, EXTRUDED, CONDUCTIVE POLYTETRAFLUOROETHYLENE	CORROSION-RESISTANT STEEL WIRE BRAID	INTEGRAL SILICONE
			ALT: 101005-4CR-0180								
D5373-3	OIL DRAIN LINE	STRATOFLEX	101005-4CL-0080	8	0.500	0.173	0.17	AS4897 AND AS150 TYPE 1AB	SEAMLESS, EXTRUDED, CONDUCTIVE POLYTETRAFLUOROETHYLENE	CORROSION-RESISTANT STEEL WIRE BRAID	INTEGRAL SILICONE
			ALT: 101005-4CR-0080								

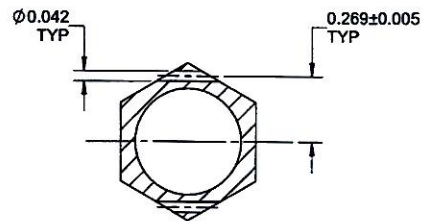
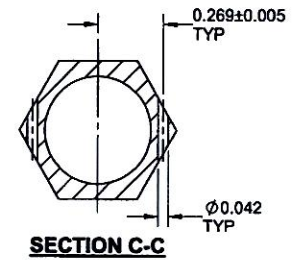
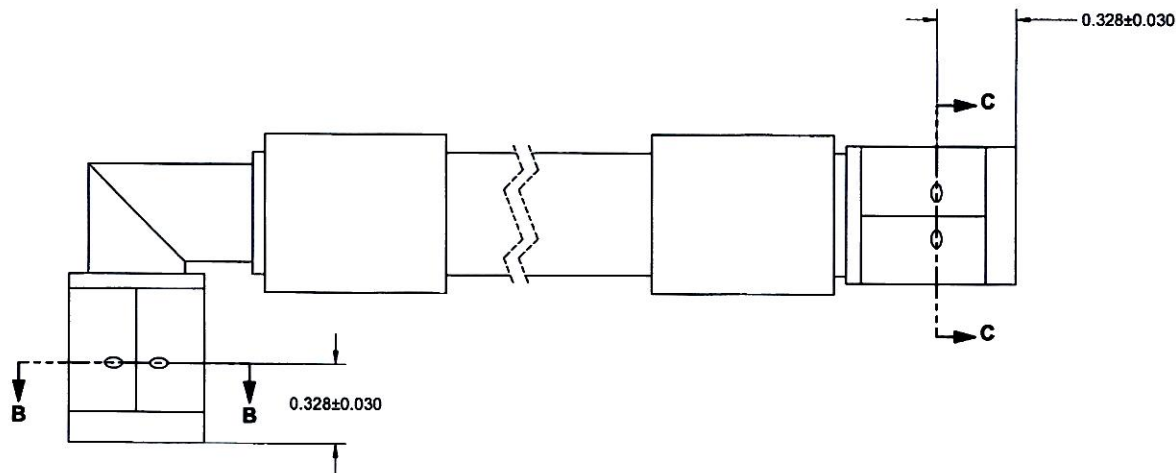
D5373-X - OIL DRAIN LINE

- NOTES:**
- 1) MATERIAL: PER TABLE
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY WITH DART P/N & B/N USING D2729 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
 - 7) WEIGHT: SEE TABLE
 - 8) FOR ALTERNATE PART NUMBERS (101005-4CR-XXXX), DRILL LOCK-WIRE HOLES PER SHEET 2, DETAIL A

RELEASED
2016-11-21
En 16-675

APPROVED

B	ADDED NOTE 8 AND SHEET 2	CC	16.11.07
A	NEW ISSUE	CC	16.01.07
REV.	DESCRIPTION	BY	DATE
DESIGN	CC	DART AEROSPACE USA, INC EUGENE, OREGON, USA	
DRAWN	CC		
CHECKED	RF	DRAWING NO.	REV. B
MFG. APPR.	JLM	D5373	SHEET 1 OF 2
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	OIL DRAIN LINE	NTS
DATE	16.11.07	COPYRIGHT © 2016 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC	



SECTION B-B

DETAIL A - LOCKWIRE HOLES

RELEASED
2016-11-21

APPROVED

DESIGN	CC	DART AEROSPACE USA, INC.	
DRAWN	CC	EUGENE, OR, USA	
CHECKED	RF	DRAWING NO.	REV. B
MFG. APPR.	JLM	D5373	SHEET 2 OF 2
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	OIL DRAIN LINE	NTS
DATE	16.11.07	COPYRIGHT © 2016 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	